

DISMANTLING JOINT

Dismantling joints

REF **EFC-333** ISSUED 05 Jun 2026

SPECIFICATIONS

Size	DN50–DN4000
Pressure	PN6–PN64
End connection	flanged (ISO7005-2 / EN1092-2 / EN1092-1 / ANSI B16.5 / ANSI B16.47 / AWWA C207)
Temperature	-20°C to 100°C
Media	water, sea water, gas, oil, low-corrosive liquid

STANDARDS

Test	EN12266-1, ISO5208
------	---------------------------

APPROVALS & CERTIFICATIONS

- EN1092-2 (flange and drilling)

COATINGS & LINING

- Fusion bonded epoxy coating, minimum thickness 300 microns

APPLICATIONS

- Installation and removal of valves and pumps in flanged pipeline systems
- Water supply and drainage pipes
- Water towers, pumps, water meters and valve connections
- Compensation for thermal expansion and contraction in long pipeline transmission
- Pipeline repair and replacement of damaged fittings



Component List		
NAME	MATERIAL*	SPECIFICATION
Long body	Ductile Iron	GJS500-7(GGG50), GJS400-15(GGG40)
Gland	Ductile Iron	GJS500-7(GGG50), GJS400-15(GGG40)
Seal ring	Rubber	EPDM, NBR
Short body	Ductile Iron	GJS500-7(GGG50), GJS400-15(GGG40)
Stud	Carbon Steel	Galvanized steel grade 4.8, grade 8.8
Nut	Carbon Steel	1.0038(S235JR) Galvanized

*Other materials are available on request

Size: DN100-DN4200
Pressure: PN6-PN40
Coating: fusion bonded epoxy coating min. thickness ≥ 200micron
Suitable medium: water and low-corrosive liquid etc.
Suitable temperature: -10-80 °C

MATERIALS

flange spigot	Ductile cast iron, Carbon steel, Stainless steel	flange body	Ductile cast iron, Carbon steel, Stainless steel
retainer	Ductile cast iron, Carbon steel, Stainless steel	gasket	Elastomer
tie rods	Carbon steel, Stainless steel, Duplex stainless steel	Long body	Ductile Iron GJS500-7 (GGG50), Ductile Iron GJS400-15 (GGG40)
Gland	Ductile Iron GJS500-7 (GGG50), Ductile Iron GJS400-15 (GGG40)	Seal ring	EPDM rubber, NBR rubber
Short body	Ductile Iron GJS500-7 (GGG50), Ductile Iron GJS400-15 (GGG40)		

FEATURES

- Longitudinal adjustment up to 50 mm
- Double flanged end connection
- Leakage rate: Class A (zero leakage) in both directions
- 100% pressure tested before delivery
- Can be used adjacent to valves
- Full or half set of bolts (50% bolt holes) available
- Vibration damping through displacement in the telescopic device
- Multi-directional displacement compensation during pipeline operation
- Installation and disassembly using torque wrench only
- Size range: DN100–DN4200
- Pressure range: PN6–PN40
- Internal and external coating: fusion bonded epoxy, minimum thickness e200 microns
- Suitable medium: water and low-corrosive liquids
- Operating temperature: -10 to 80 °C
- Ductile iron body with epoxy coating above 200 microns
- Galvanised steel or stainless steel studs and nuts available
- Double-flanged dismantling joint / double-spigot sleeve coupling design with long body, short body and gland assembly

OPTIONS & NOTES

- Higher pressure ratings can be designed specifically on request
- Other particular tie rod material available on request
- Pallets used for oversized packages